METHOD AND APPARATUS FOR PROVIDING DATA FOR SAMPLE RATE CONVERSION

ABSTRACT OF THE DISCLOSURE

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A method and apparatus for providing data for sample rate conversion includes processing that begins by generating a data request interrupt based on a system clock and a sample rate conversion value. The processing

10 continues by receiving a data ready control signal from a data processor. The processing proceeds to responding to the data request interrupt by providing a read signal to a temporary memory device. Based on the read signal, a 1st word of data is read from the temporary memory device and

15 provided to a sample rate conversion module. The processing resumes by responding to the data ready control signal by providing a light signal to the temporary memory device. In accordance with the write signal, a 2nd word of data is written to the temporary memory device by the data

20 processor.